

How Nature Indexing Helps You Find Nanotechnology Literatures and Data Efficiently

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Abstract

The exponential growth in nanotechnology has led to vast amounts of information and data being dispersed throughout various journals and patents making the acquisition of this information difficult. Furthermore, the lack of standardized nomenclature for nanomaterials is a huge challenge which makes seeking and transfer of scientific results a difficult task for researchers. There exists, however, a great demand for quick and curated information on nanomaterials, properties and applications. nano.nature.com known as Nano¹ was launched on 15 June 2016 as a non-journal type product under the Nature Research portfolio. It aims to provide highly indexed and structured information related to nanotechnology, including materials, properties, applications and preparation methods, derived from peer-reviewed journals at the article level and in manually curated nanomaterial summaries that compile data from multiple sources.

This talk will illustrate how Nano can aid nanotechnology research communities to obtain fast and precise insights into the wealth of nanotechnology based scholarly knowledge via use case scenarios and provide the latest developments.

References

- [1] What is Nano?, Nature Nanotechnology 11, 575, 2016

Figures

The screenshot displays the Nano search interface. At the top, there is a search bar with the text 'gold nanoparticles' and a search icon. Below the search bar, there are several filters and statistics. On the left, there are sections for 'Nanostructure', 'Property', and 'Source', each with a search bar and a list of items. The 'Nanostructure' section includes: Nanoparticles (6,388), Nanostructured materials (3,763), Nanofilm (437), Nanowires (254), and Nanosheets (184). The 'Property' section includes: Surface plasmon resonance (1,186), Catalytic activity (832), Colloidal stability (469), Cyclic voltammogram (469), and Current density (355). The 'Source' section includes: Nanoscale (2,187), ACS Nano (1,627), Small (946), and J. Am. Chem. Soc. (922). On the right, there are statistics: '31,483 articles' and '12,408 nan'. Below these statistics, there is a 'Sort by' dropdown menu set to 'Relevance'. There are three search results listed, each with a 'Show quick view' button. The first result is 'gold nanoparticles', the second is 'example of metal nanoparticle/polyanionic p', and the third is 'gold nanoparticles film superlattice'.

Figure 1: A preview of Nano searching for gold nanoparticle information.